



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

APPLICANTS: Jörg Freudenberger et al CONFIRMATION NO.: 8391  
SERIAL NO.: 10/774,131 GROUP ART UNIT: 2882  
FILED: February 6, 2004  
TITLE: "MONOCHROMATOR FOR AN X-RAY RADIATOR ALLOWING  
MODIFICATION OF THE X-RAY SPECTRAL COMPOSITION"

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

S I R:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicants request that citation and examination of the following documents be made during the course of examination of the above-referenced application for United States Letters Patent.

AA United States Patent No. 5,028,778  
AB United States Patent No. 4,698,833  
AC United States Patent No. 4,398,823  
AL German OS 199 45 7773  
AM German PS 196 06 913  
AN German OS 4 127 778  
AO European Application 0 924 967  
AU U.S. Statutory Invention Registration H313  
AV "Über die Optimalisierung der Röntgenquantenenergie in der  
Röntgendiagnostik," Keller et al, Elektromedizin Vol. 10 (1965)  
pages 153-158

- AW "Theoretische Untersuchungen zur Optimierung der Quantenenergie in der Röntgendiagnostik," Freyer et al, Forsch. Röntgenstr., Vol. 123 (1975) pages 571-579
- AX "Mosaic Crystal Monochromators For Synchrotron Radiation Instrumentation," Freund, Nuclear Instruments and Methods in Physics Research A266 (1988) pages 461-466
- AY "Resolution Properties of a Large Area Quasi-monochromatic X-ray Source for Mammography," Gambaccini, SPIE, Vol. 3336 (1998) pages 65-75.

#### **EXPLANATION OF RELEVANCE**

The German counterpart to Reference AA, together with references AC, AL, AM, AN, AO and AU were cited by the German Patent and Trademark Office during examination of the counterpart German application. The remaining references are additional prior art known to the Applicants.

Copies of each of the above references together with Form 1449 are submitted herewith.

For the references that are in English, no further commentary concerning their teachings is necessary. Translations of the German language references are not readily available to the Applicants, however, each of References AL, AM, AN and AO has an English language abstract attached thereto, and References AV and AW each include an English language abstract as part of the text thereof.

As of the date of mailing of this Information Disclosure Statement, a First Office Action on the merits has not been received in connection with this application. This Information Disclosure Statement is therefore in compliance with 37 C.F.R. §1.97(b)(3), and no fee is necessary.

All claims of the application are submitted to be patentable over the teachings of the above references, taken singly or in combination. Early consideration of the application is therefore respectfully requested.

Submitted by,

 (Reg. 31,870)

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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA. 22313-1450 on June 28, 2004.

  
MELVIN A. ROBINSON



Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (use several sheets if necessary)					Docket No. P03,0608		Serial No. 10/774,131	
					Applicant Jörg Freudenberger et al			
					Filing Date February 6, 2004		Group Art Unit 2882	
<b>U.S. PATENT DOCUMENTS</b>								
Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate	
	AA	5,028,778	07/02/91	Ninomiya et al.				
	AB	4,698,833	10/06/87	Keem et al.				
	AC	4,393,823	08/16/83	Brown et al				
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	199 45 773	04/12/01	Germany			X	
	AM	196 06 913	08/21/87	Germany			X	
	AN	41 27 778	11/05/92	Germany				
	AO	0 924 967	06/23/99	Europe				
	AP							
	AQ							
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AT							
	AU	U.S. Statutory Invention Registratin H313						
	AV	"Über die Optimalisierung der Röntgenquantenenergie in der Röntgendiagnostik," Keller et al, Elektromedizin Vol. 10 (1965) pages 153-158						
	AW	"Theoretische Untersuchungen zur Optimierung der Quantenenergie in der Röntgendiagnostik," Freyer et al, Forsch. Röntgenstr., Vol. 123 (1975) pages 571-579						
	AX	"Mosaic Crystal Monochromators For Synchrotron Radiation Instrumentation," Freund, Nuclear Instruments and Methods in Physics Research A266 (1988) pages 461-466						
	AY	"Resolution Properties of a Large Area Quasi-monochromatic X-ray Source for Mammography," Gambaccini, SPIE, Vol. 3336 (1998) pages 65-75.						
Examiner				Date Considered				
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								